

Table 6-17
Summary of Soil Sample Analytical Results
SWMU 147

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	HCF-01 4 - 6 03/28/90	HCF-01 19 - 20 03/28/90	HCF-01 30 03/28/90	HCF-01 35 03/28/90	HCF-01 40 03/28/90	HCF-01 45 03/28/90	HCF-01 45 03/28/90	HCF-01 60 - 70 03/28/90	147BG 2 04/06/92	147B1 5 06/08/92	147B1 10 06/08/92	147B1 15 06/08/92
Metals																
Arsenic	7440-38-2	3.9 {NMED ResSoil09}	0.262	mg/kg	--	15	--	18	35	--	--	<0.5	0.73	<0.52	<0.54 [<0.49]	
Barium	7440-39-3	15,600 {NMED ResSoil09}	6,030	mg/kg	--	3	--	<0.05	<0.05	--	--	<100	<110	<100	<100 [<95]	
Cadmium	7440-43-9	77.9 {NMED ResSoil09}	27.5	mg/kg	--	2	--	0.5	0.25	--	--	<2.6	<2.7	<2.6	<2.6 [<2.4]	
Chromium	7440-47-3	219 {NMED ResSoil09}	--	mg/kg	--	5	--	2	1	--	--	--	--	--	--	
Lead	7439-92-1	400 {NMED ResSoil09}	--	mg/kg	--	17	--	14	4	--	--	<26	<27	<26	<26 [<24]	
Mercury	7439-97-6	7.71 {NMED ResSoil09}	0.587	mg/kg	--	<0.02	--	<0.02	<0.02	--	--	<0.08	<0.1	<0.1	<0.08 [<0.1]	
Selenium	7782-49-2	391 {NMED ResSoil09}	19.3	mg/kg	--	75	--	0.8	<0.3	--	--	<0.5	<0.5	<0.52	<0.54 [<0.49]	
Silver	7440-22-4	391 {NMED ResSoil09}	31.3	mg/kg	--	--	--	--	--	--	--	<5.2	<5.3	<5.3	<5.2 [<4.8]	
Semivolatile Organic Compounds																
1,2,4-Trichlorobenzene	120-82-1	143 {NMED ResSoil09}	0.205	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 {NMED ResSoil09}	652	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
1,2-Dichlorobenzene	95-50-1	3,010 {NMED ResSoil09}	6.27	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
1,4-Dichlorobenzene	106-46-7	32.2 {NMED ResSoil09}	0.0714	mg/kg	--	<0.625	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
2,4,6-Trichlorophenol	88-06-2	61 {NMED ResSoil09}	1.43	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
2,4-Dichlorophenol	120-83-2	183 {NMED ResSoil09}	2.74	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
2,4-Dimethylphenol	105-67-9	1,220 {NMED ResSoil09}	18.2	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
2,4-Dinitrophenol	51-28-5	122 {NMED ResSoil09}	1.05	mg/kg	--	--	--	--	--	--	--	<2	<2	<2	<2 [<2]	
2,4-Dinitrotoluene	121-14-2	15.7 {NMED ResSoil09}	0.0312	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
2,6-Dinitrotoluene	606-20-2	61.2 {NMED ResSoil09}	0.533	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
2-Chloronaphthalene (b-)	91-58-7	6,260 {NMED ResSoil09}	271	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
2-Chlorophenol	95-57-8	391 {NMED ResSoil09}	3.06	mg/kg	--	--	--	--	--	--	--	<0.33	<0.3	<0.3	<2 [<2]	
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 {NMED ResSoil09}	0.0785	mg/kg	--	--	--	--	--	--	--	<2	<1.7	<1.7	<8.3 [<8.3]	
2-Nitrophenol	88-75-5	--	--	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
3,3-Dichlorobenzidine	91-94-1	10.8 {NMED ResSoil09}	0.341	mg/kg	--	--	--	--	--	--	--	<0.7	<0.7	<0.7	<0.7 [<0.7]	
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 {NMED ResSoil09}	3.69	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	--	--	--	--	--	--	--	<0.7	<0.7	<0.7	<0.7 [<0.7]	
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
4-Nitrophenol	100-02-7	--	--	mg/kg	--	--	--	--	--	--	--	<2	<2	<2	<2 [<2]	
Acenaphthene	83-32-9	3,440 {NMED ResSoil09}	410	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Acenaphthylene	208-96-8	--	--	mg/kg	--	--	--	--	--	--	--	<0.33	<0.3	<0.3	<2 [<2]	
Anthracene	120-12-7	17,200 {NMED ResSoil09}	6,740	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Benzidine	92-87-5	0.0211 {NMED ResSoil09}	0.00025	mg/kg	--	--	--	--	--	--	--	<1.7	<1.7	<1.7	<1.7 [<1.7]	
Benzo(a)Anthracene	56-55-3	6.21 {NMED ResSoil09}	6.39	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Benzo(a)Pyrene	50-32-8	0.621 {NMED ResSoil09}	2.17	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Benzo(b)Fluoranthene	205-99-2	6.21 {NMED ResSoil09}	22.2	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Benzo(g,h,i)Perylene	191-24-2	--	--	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Benzo(k)Fluoranthene	207-08-9	62.1 {NMED ResSoil09}	217	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Benzoic Acid	65-85-0	240,000 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	<2	<2	<2	<2 [<2]	
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	2,600 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Bis (2-Chloroethoxy) Methane	111-91-1	180 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Bis(2-Chloroethyl) Ether	111-44-4	2.56 {NMED ResSoil09}	0.000465	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Bis(2-Chloroisopropyl)Ether	39638-32-9	--	0.0511	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	347 {NMED ResSoil09}	238	mg/kg	--	--	--	--	--	--	--	<0.3	0.46	<0.3	<0.3 [<0.3]	
Dibenz(a,h)Anthracene	53-70-3	0.621 {NMED ResSoil09}	7.24	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Diethyl Phthalate	84-66-2	48,900 {NMED ResSoil09}	212	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]	
Dimethyl Phthalate	131-11-3	61,000 {NMED ResSoil09}	1,670	mg/kg	--</											

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Nitrobenzene	98-95-3	49.4 {NMED ResSoil09}	0.137	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]
N-Nitrosodi-N-Propylamine	621-64-7	0.69 {EPA ResSoil09}	--	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]
N-Nitrosodiphenylamine	86-30-6	993 {NMED ResSoil09}	25.8	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]
Pentachlorophenol	87-86-5	29.8 {NMED ResSoil09}	0.587	mg/kg	--	--	--	--	--	--	--	<2	<2	<2	<2 [<2]
Phenanthrene	85-01-8	1,830 {NMED ResSoil09}	1.670	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	11 [7.8]
Phenol	108-95-2	18,300 {NMED ResSoil09}	126	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]
Pyrene	129-00-0	1,720 {NMED ResSoil09}	2,240	mg/kg	--	--	--	--	--	--	--	<0.3	<0.3	<0.3	<0.3 [<0.3]
Total Petroleum Hydrocarbons															
Diesel Range Organics (>C10-C28)	C10C28	--	--	mg/kg	2,600	--	5,200	11,000	2,200	1,600	370	--	--	--	--
Petroleum Hydrocarbons	PHC	--	--	mg/kg	--	--	--	--	--	--	--	<13	21	<13	5,800 [5,200]
Volatile Organic Compounds															
1,1,1-Trichloroethane	71-55-6	21,800 {NMED ResSoil09}	59.5	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
1,1,2,2-Tetrachloroethane	79-34-5	7.98 {NMED ResSoil09}	0.0045	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
1,1,2-Trichloroethane	79-00-5	17.2 {NMED ResSoil09}	0.0135	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
1,1-Dichloroethane	75-34-3	62.9 {NMED ResSoil09}	0.122	mg/kg	--	<1.25	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [0.033]
1,1-Dichloroethylene	75-35-4	618 {NMED ResSoil09}	2.38	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
1,2,3-Trichloropropane	96-18-4	0.915 {NMED ResSoil09}	0.000713	mg/kg	--	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.02 [<0.02]
1,2-Dichlorobenzene/1,3-Dichlorobenzene	95-50-1b	--	--	mg/kg	--	<0.625	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	107-06-2	7.74 {NMED ResSoil09}	0.0073	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
1,2-Dichloropropane	78-87-5	14.7 {NMED ResSoil09}	0.0223	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
1,4 Dichloro-2-Butene	764-41-0	0.046 {NMED ResSoil09}	0.000163	mg/kg	--	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.02 [<0.02]
2-Butanone	78-93-3	39,600 {NMED ResSoil09}	25.3	mg/kg	--	--	--	--	--	--	--	<0.1	<0.1	<0.1	<0.1 [<0.1]
2-Chloroethyl Vinyl Ether	110-75-8	--	--	mg/kg	--	<1.25	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01 [<0.01]
4-Methyl-2-Pentanone(MIBK)	108-10-1	5,950 {NMED ResSoil09}	7.58	mg/kg	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05 [<0.05]
Acetone	67-64-1	67,500 {NMED ResSoil09}	76.9	mg/kg	--	--	--	--	--	--	--	<0.1	<0.1	<0.1	0.12 [0.6]
Acrolein	107-02-8	0.646 {NMED ResSoil09}	0.000148	mg/kg	--	--	--	--	--	--	--	<0.2	<0.2	<0.2	<0.2 [<0.2]
Acrylonitrile	107-13-1	5.97 {NMED ResSoil09}	0.00164	mg/kg	--	--	--	--	--	--	--	<0.1	<0.1	<0.1	<0.1 [<0.1]
Benzene	71-43-2	15.5 {NMED ResSoil09}	0.037	mg/kg	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.016 [0.014]
Bromodichloromethane	75-27-4	5.25 {NMED ResSoil09}	0.00553	mg/kg	--	<0.625	--	--	--	--	--	--	--	--	--
Bromomethane	74-83-9	22.3 {NMED ResSoil09}	0.0388	mg/kg	--	<1.25	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Carbon Disulfide	75-15-0	1,940 {NMED ResSoil09}	5.04	mg/kg	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	0.0065 [<0.005]
Carbon Tetrachloride	56-23-5	4.38 {NMED ResSoil09}	0.0148	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
CFC-11 (Trichlorofluoromethane)	75-69-4	2,010 {NMED ResSoil09}	18	mg/kg	--	<0.625	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01 [<0.01]
CFC-12 (Dichlorodifluoromethane)	75-71-8	481 {NMED ResSoil09}	14.5	mg/kg	--	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.02 [<0.02]
Chlorinated Fluorocarbon (Freon 113) (1,1,2-Trichloro-1,2,2-	76-13-1	104,000 {NMED ResSoil09}	3,560	mg/kg	--	<6.25	--	--	--	--	--	--	--	--	--
Chlorobenzene	108-90-7	508 {NMED ResSoil09}	1.08	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Chlorodibromomethane (Dibromochloromethane)	124-48-1	11.9 {NMED ResSoil09}	0.00675	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Chloroethane (Ethylchloride)	75-00-3	43,600 {NMED ResSoil09}	108	mg/kg	--	<1.25	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01 [<0.01]
Chloroform	67-66-3	5.72 {NMED ResSoil09}	0.00936	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Chloromethane	74-87-3	35.6 {NMED ResSoil09}	0.0836	mg/kg	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01 [<0.01]
cis-1,3-Dichloropropene	10061-01-5	--	--	mg/kg	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	--	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.02 [<0.02]
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	--	<1.25	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Ethanol	64-17-5	--	--	mg/kg	--	--	--	--	--	--	--	<1	<1	<1	<1 [<1]
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	--	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.02 [<0.02]
Ethylbenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	0.75 [1.5]
Iodomethane	74-88-4	--	--	mg/kg	--	--	--	--	--	--	--	<0.02	<0.02	<0.02	<0.02 [<0.02]
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	--	--	--	--	--	--	--	<0.05	<0.05	<0.05	<0.05 [<0.05]
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	--	<0.625	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	--	<0.625	--	--	--	--	--	--	--	--	--
Trichloroethylene	79-01-6	45.7 {NMED ResSoil09}	0.106	mg/kg	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	<0.005 [<0.005]
Vinyl Acetate	108-05-4	3,650 {NMED ResSoil09}	1.53	mg/kg	--	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01 [<0.01]
Vinyl Chloride	75-01-4	0.865 {NMED ResSoil09}	0.00576	mg/kg	--	<1.25	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01 [<0.01]
Xylenes (total xylenes)	1330-20-7	1,090 {NMED ResSoil09}	3.52	mg/kg	--	--	--	--	--	--	--	<0.005	<0.005	<0.005	0.11 [0.12]

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Metals							
Arsenic	7440-38-2	3.9 {NMED ResSoil09}	0.262	mg/kg	2.1	2.1	1.2
Barium	7440-39-3	15,600 {NMED ResSoil09}	6,030	mg/kg	<100	<21	22
Cadmium	7440-43-9	77.9 {NMED ResSoil09}	27.5	mg/kg	<2.5	<0.53	<0.48
Chromium	7440-47-3	219 {NMED ResSoil09}	--	mg/kg	--	--	--
Lead	7439-92-1	400 {NMED ResSoil09}	--	mg/kg	<25	<5.3	6.2
Mercury	7439-97-6	7.71 {NMED ResSoil09}	0.587	mg/kg	<0.1	<0.09	<0.09
Selenium	7782-49-2	391 {NMED ResSoil09}	19.3	mg/kg	<0.52	<0.48	<0.54
Silver	7440-22-4	391 {NMED ResSoil09}	31.3	mg/kg	<5	<1	<0.95
Semivolatile Organic Compounds							
1,2,4-Trichlorobenzene	120-82-1	143 {NMED ResSoil09}	0.205	mg/kg	<0.3	<0.3	<0.3
1,2-Benzphenanthracene (Chrysene)	218-01-9	621 {NMED ResSoil09}	652	mg/kg	<0.3	<0.3	<0.3
1,2-Dichlorobenzene	95-50-1	3,010 {NMED ResSoil09}	6.27	mg/kg	<0.3	<0.3	<0.3
1,4-Dichlorobenzene	106-46-7	32.2 {NMED ResSoil09}	0.0714	mg/kg	<0.3	<0.3	<0.3
2,4,6-Trichlorophenol	88-06-2	61 {NMED ResSoil09}	1.43	mg/kg	<0.3	<0.3	<0.3
2,4-Dichlorophenol	120-83-2	183 {NMED ResSoil09}	2.74	mg/kg	<0.3	<0.3	<0.3
2,4-Dimethylphenol	105-67-9	1,220 {NMED ResSoil09}	18.2	mg/kg	<0.3	<0.3	<0.3
2,4-Dinitrophenol	51-28-5	122 {NMED ResSoil09}	1.05	mg/kg	<2	<2	<2
2,4-Dinitrotoluene	121-14-2	15.7 {NMED ResSoil09}	0.0312	mg/kg	<0.3	<0.3	<0.3
2,6-Dinitrotoluene	606-20-2	61.2 {NMED ResSoil09}	0.533	mg/kg	<0.3	<0.3	<0.3
2-Chloronaphthalene (b-)	91-58-7	6,260 {NMED ResSoil09}	271	mg/kg	<0.3	<0.3	<0.3
2-Chlorophenol	95-57-8	391 {NMED ResSoil09}	3.06	mg/kg	<0.3	<8	<0.3
2-Methyl-4,6-Dinitrophenol (4,6-Dinitro-o-cresol)	534-52-1	6.11 {NMED ResSoil09}	0.0785	mg/kg	<1.7	<42	<1.7
2-Nitrophenol	88-75-5	--	--	mg/kg	<0.3	<0.3	<0.3
3,3-Dichlorobenzidine	91-94-1	10.8 {NMED ResSoil09}	0.341	mg/kg	<0.7	<0.7	<0.7
3,5,5-Trimethyl-2-Cyclohexene-1-One (Isophorone)	78-59-1	5,120 {NMED ResSoil09}	3.69	mg/kg	<0.3	<0.3	<0.3
4-Bromophenyl Phenyl Ether	101-55-3	--	--	mg/kg	<0.3	<0.3	<0.3
4-Chloro-3-Methylphenol	59-50-7	--	--	mg/kg	<0.7	<0.7	<0.7
4-Chlorophenyl Phenyl Ether	7005-72-3	--	--	mg/kg	<0.3	<0.3	<0.3
4-Nitrophenol	100-02-7	--	--	mg/kg	<2	<2	<2
Acenaphthene	83-32-9	3,440 {NMED ResSoil09}	410	mg/kg	<0.3	<0.3	<0.3
Acenaphthylene	208-96-8	--	--	mg/kg	<0.3	<8	<0.3
Anthracene	120-12-7	17,200 {NMED ResSoil09}	6,740	mg/kg	<0.3	<0.3	<0.3
Benzidine	92-87-5	0.0211 {NMED ResSoil09}	0.00025	mg/kg	<1.7	<1.7	<1.7
Benzo(a)Anthracene	56-55-3	6.21 {NMED ResSoil09}	6.39	mg/kg	<0.3	<0.3	<0.3
Benzo(a)Pyrene	50-32-8	0.621 {NMED ResSoil09}	2.17	mg/kg	<0.3	<0.3	<0.3
Benzo(b)Fluoranthene	205-99-2	6.21 {NMED ResSoil09}	22.2	mg/kg	<0.3	<0.3	<0.3
Benzo(g,h,i)Perylene	191-24-2	--	--	mg/kg	<0.3	<0.3	<0.3
Benzo(k)Fluoranthene	207-08-9	62.1 {NMED ResSoil09}	217	mg/kg	<0.3	<0.3	<0.3
Benzoic Acid	65-85-0	240,000 {EPA ResSoil09}	--	mg/kg	<2	<2	<2
Benzyl Butyl Phthalate (Butyl Benzyl Phthalate)	85-68-7	2,600 {EPA ResSoil09}	--	mg/kg	<0.3	<0.3	<0.3
Bis (2-Chloroethoxy) Methane	111-91-1	180 {EPA ResSoil09}	--	mg/kg	<0.3	<0.3	<0.3
Bis(2-Chloroethyl) Ether	111-44-4	2.56 {NMED ResSoil09}	0.000465	mg/kg	<0.3	<0.3	<0.3
Bis(2-Chloroisopropyl)Ether	39638-32-9	--	0.0511	mg/kg	<0.3	<0.3	<0.3
Bis(2-Ethylhexyl)Phthalate (Di[2-ethylhexyl] phthalate)	117-81-7	347 {NMED ResSoil09}	238	mg/kg	<0.3	<0.3	<0.3
Dibenz(a,h)Anthracene	53-70-3	0.621 {NMED ResSoil09}	7.24	mg/kg	<0.3	<0.3	<0.3
Diethyl Phthalate	84-66-2	48,900 {NMED ResSoil09}	212	mg/kg	<0.3	<0.3	<0.3
Dimethyl Phthalate	131-11-3	611,000 {NMED ResSoil09}	1,670	mg/kg	<0.3	<0.3	<0.3
Di-n-Butyl Phthalate	84-74-2	6,110 {NMED ResSoil09}	173	mg/kg	<0.3	<0.3	<0.3
Di-n-Octyl Phthalate	117-84-0	--	--	mg/kg	<0.3	<0.3	<0.3
Fluoranthene	206-44-0	2,290 {NMED ResSoil09}	3,110	mg/kg	<0.3	<0.3	<0.3
Fluorene	86-73-7	2,290 {NMED ResSoil09}	500	mg/kg	0.46	<0.3	<0.3
Hexachloro-1,3-Butadiene	87-68-3	61.1 {NMED ResSoil09}	0.295	mg/kg	<0.3	<0.3	<0.3
Hexachlorobenzene	118-74-1	3.04 {NMED ResSoil09}	0.0441	mg/kg	<0.3	<0.3	<0.3
Hexachlorocyclopentadiene	77-47-4	367 {NMED ResSoil09}	12.3	mg/kg	<0.3	<0.3	<0.3
Hexachloroethane	67-72-1	61.1 {NMED ResSoil09}	0.386	mg/kg	<0.3	<0.3	<0.3
Indeno(1,2,3-cd)Pyrene	193-39-5	6.21 {NMED ResSoil09}	73.9	mg/kg	<0.3	<0.3	<0.3
m-Dichlorobenzene	541-73-1	--	--	mg/kg	<0.3	<0.3	<0.3
Methanamine, N-Methyl-N-Nitroso	62-75-9	0.954 {NMED ResSoil09}	0.0000608	mg/kg	<0.33	<0.33	<0.33
Naphthalene	91-20-3	45 {NMED ResSoil09}	0.0839	mg/kg	1.3	14	<0.3

(See Notes Page for Qualifiers and Acronyms)

Table 6-17
Summary of Soil Sample Analytical Results
SWMU 147

Location ID: Sample Depth (ft): Date Collected:	CAS	Soil Screening Level for Residential Soil	DAF 20	Units	147B1	147B1	147B1
					20 06/08/92	25 06/08/92	30 06/08/92
Nitrobenzene	98-95-3	49.4 {NMED ResSoil09}	0.137	mg/kg	<0.3	<0.3	<0.3
N-Nitrosodi-N-Propylamine	621-64-7	0.69 {EPA ResSoil09}	--	mg/kg	<0.3	<0.3	<0.3
N-Nitrosodiphenylamine	86-30-6	993 {NMED ResSoil09}	25.8	mg/kg	<0.3	<0.3	<0.3
Pentachlorophenol	87-86-5	29.8 {NMED ResSoil09}	0.587	mg/kg	<2	<2	<2
Phenanthrene	85-01-8	1,830 {NMED ResSoil09}	1,670	mg/kg	2.6	18	0.36
Phenol	108-95-2	18,300 {NMED ResSoil09}	126	mg/kg	<0.3	<0.3	<0.3
Pyrene	129-00-0	1,720 {NMED ResSoil09}	2,240	mg/kg	<0.3	<0.3	<0.3
Total Petroleum Hydrocarbons							
Diesel Range Organics (>C10-C28)	C10C28	--	--	mg/kg	--	--	--
Petroleum Hydrocarbons	PHC	--	--	mg/kg	960	13,000	190
Volatile Organic Compounds							
1,1,1-Trichloroethane	71-55-6	21,800 {NMED ResSoil09}	59.5	mg/kg	<0.005	<0.005	<0.005
1,1,2,2-Tetrachloroethane	79-34-5	7.98 {NMED ResSoil09}	0.0045	mg/kg	<0.005	<0.005	<0.005
1,1,2-Trichloroethane	79-00-5	17.2 {NMED ResSoil09}	0.0135	mg/kg	<0.005	<0.005	<0.005
1,1-Dichloroethane	75-34-3	62.9 {NMED ResSoil09}	0.122	mg/kg	<0.005	0.0095	<0.005
1,1-Dichloroethylene	75-35-4	618 {NMED ResSoil09}	2.38	mg/kg	<0.005	<0.005	<0.005
1,2,3-Trichloropropane	96-18-4	0.915 {NMED ResSoil09}	0.000713	mg/kg	<0.02	<0.02	<0.02
1,2-Dichlorobenzene/1,3-Dichlorobenzene	95-50-1b	--	--	mg/kg	--	--	--
1,2-Dichloroethane	107-06-2	7.74 {NMED ResSoil09}	0.0073	mg/kg	<0.005	<0.005	<0.005
1,2-Dichloropropane	78-87-5	14.7 {NMED ResSoil09}	0.0223	mg/kg	<0.005	<0.005	<0.005
1,4 Dichloro-2-Butene	764-41-0	0.046 {NMED ResSoil09}	0.000163	mg/kg	<0.02	<0.02	<0.02
2-Butanone	78-93-3	39,600 {NMED ResSoil09}	25.3	mg/kg	<0.1	<0.1	<0.1
2-Chloroethyl Vinyl Ether	110-75-8	--	--	mg/kg	<0.01	<0.01	<0.01
4-Methyl-2-Pentanone(MIBK)	108-10-1	5,950 {NMED ResSoil09}	7.58	mg/kg	<0.05	<0.05	<0.05
Acetone	67-64-1	67,500 {NMED ResSoil09}	76.9	mg/kg	0.52	0.6	<0.1
Acrolein	107-02-8	0.646 {NMED ResSoil09}	0.000148	mg/kg	<0.2	<0.2	<0.2
Acrylonitrile	107-13-1	5.97 {NMED ResSoil09}	0.00164	mg/kg	<0.1	<0.1	<0.1
Benzene	71-43-2	15.5 {NMED ResSoil09}	0.037	mg/kg	<0.005	0.17	<0.005
Bromodichloromethane	75-27-4	5.25 {NMED ResSoil09}	0.00553	mg/kg	--	--	--
Bromomethane	74-83-9	22.3 {NMED ResSoil09}	0.0388	mg/kg	<0.005	<0.005	<0.005
Carbon Disulfide	75-15-0	1,940 {NMED ResSoil09}	5.04	mg/kg	<0.005	<0.005	<0.005
Carbon Tetrachloride	56-23-5	4.38 {NMED ResSoil09}	0.0148	mg/kg	<0.005	<0.005	<0.005
CFC-11 (Trichlorofluoromethane)	75-69-4	2,010 {NMED ResSoil09}	18	mg/kg	<0.01	<0.01	<0.01
CFC-12 (Dichlorodifluoromethane)	75-71-8	481 {NMED ResSoil09}	14.5	mg/kg	<0.02	<0.02	<0.02
Chlorinated Fluorocarbon (Freon 113) (1,1,2-Trichloro-1,2,2-	76-13-1	104,000 {NMED ResSoil09}	3,560	mg/kg	--	--	--
Chlorobenzene	108-90-7	508 {NMED ResSoil09}	1.08	mg/kg	<0.005	<0.005	<0.005
Chlorodibromomethane (Dibromochloromethane)	124-48-1	11.9 {NMED ResSoil09}	0.00675	mg/kg	<0.005	<0.005	<0.005
Chloroethane (Ethylchloride)	75-00-3	43,600 {NMED ResSoil09}	108	mg/kg	<0.01	<0.01	<0.01
Chloroform	67-66-3	5.72 {NMED ResSoil09}	0.00936	mg/kg	<0.005	<0.005	<0.005
Chloromethane	74-87-3	35.6 {NMED ResSoil09}	0.0836	mg/kg	<0.01	<0.01	<0.01
cis-1,3-Dichloropropene	10061-01-5	--	--	mg/kg	<0.005	<0.005	<0.005
Dibromomethane (Methylene Dibromide)	74-95-3	782 {NMED ResSoil09}	1.55	mg/kg	<0.02	<0.02	<0.02
Dichloromethane (Methylene Chloride)	75-09-2	199 {NMED ResSoil09}	0.215	mg/kg	<0.005	<0.005	<0.005
Ethanol	64-17-5	--	--	mg/kg	<1	<1	<1
Ethyl Methacrylate	97-63-2	7,040 {NMED ResSoil09}	13.4	mg/kg	<0.02	<0.02	<0.02
Ethybenzene	100-41-4	69.7 {NMED ResSoil09}	0.291	mg/kg	0.046	4.1	<0.005
Iodomethane	74-88-4	--	--	mg/kg	<0.02	<0.02	<0.02
Methyl N-Butyl Ketone	591-78-6	--	--	mg/kg	<0.05	<0.05	<0.05
Methylbenzene (Toluene)	108-88-3	5,570 {NMED ResSoil09}	27.7	mg/kg	<0.005	<0.005	<0.005
Styrene (Monomer)	100-42-5	8,970 {NMED ResSoil09}	31.2	mg/kg	<0.005	<0.005	<0.005
Tetrachloroethene	127-18-4	6.99 {NMED ResSoil09}	0.00898	mg/kg	<0.005	<0.005	<0.005
Trans-1,2-Dichloroethene	156-60-5	273 {NMED ResSoil09}	0.603	mg/kg	<0.005	<0.005	<0.005
Trans-1,3-Dichloropropene	10061-02-6	--	--	mg/kg	<0.005	<0.005	<0.005
Tribromomethane (Bromoform)	75-25-2	616 {NMED ResSoil09}	12.1	mg/kg	--	--	--
Trichloroethylene	79-01-6	45.7 {NMED ResSoil09}	0.106	mg/kg	<0.005	<0.005	<0.005
Vinyl Acetate	108-05-4	3,650 {NMED ResSoil09}	1.53	mg/kg	<0.01	<0.01	<0.01
Vinyl Chloride	75-01-4	0.865 {NMED ResSoil09}	0.00576	mg/kg	<0.01	<0.01	<0.01
Xylenes (total xylenes)	1330-20-7	1,090 {NMED ResSoil09}	3.52	mg/kg	<0.005	<0.005	<0.005

Table 6-17
Summary of Soil Sample Analytical Results
SWMU 147
Notes

Lab Qualifiers	Definition
U	Constituent was not detected at the sample quantitation limit shown.
UJ	Estimated value below detection limit.
Analyte Abbreviation	Full Name
>C10-C28	Diesel Range Organics (>C10-C28) in the carbon 10 (C10) to carbon 28 (C28) range.
Acronym/Note	Description
All	All data reported before 2009 were collected by others and the data were provided to ARCADIS by White Sands Missile Range.
--	The sample was not tested for this constituent and/or no data were available.
U	Laboratory report flag indicating that the constituent was not detected at the sample quantitation limit shown.
1.7	Yellow highlight indicates that the reported result exceeds the published SSLs. If the result is preceded by "<", the constituent was not detected, but the reported sample quantitation limit exceeds the SSL.
<i>1.9</i>	Italics indicates that the reported result exceeds the NMED DAF 20 screening value. If the result is preceded by "<", constituent was not detected, but the reported sample quantitation limit exceeds the DAF 20 value.
[<0.005]	Brackets indicate that the result shown is from a duplicate field sample.
CAS	Chemical Abstract Service.
DAF 20	NMED Dilution Attenuation Factor from Table A-1, December 2009 Update to Technical Background Document for Development of Soil Screening Levels, Revision 5.0. NMED Hazardous Waste Bureau and Ground Water Quality Bureau, Voluntary Remediation Program. August 2009. DAF 20 indicates a Dilution Attenuation Factor of 20 was used.
EPA	United States Environmental Protection Agency.
EPA ResSoil09	USEPA Residential Screening Level from <i>USEPA Regional Screening Levels</i> (http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm). 2009.
mg/kg	Milligram per kilogram.
NMED	New Mexico Environment Department.
NMED ResSoil09	NMED Residential Soil Screening Level from Table A-1, December 2009 Update to Technical Background Document for Development of Soil Screening Levels, Revision 5.0. NMED Hazardous Waste Bureau and Ground Water Quality Bureau, Voluntary Remediation Program. August 2009.
SSL	Soil Screening Level